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Utility Patent Application Draft

Title: Interactive Edible Treasure Cake with Hidden QR Code and Blockchain-Based Unlock Mechanism

Background of the Invention: This invention relates to interactive edible products, specifically cakes that incorporate hidden technological and gamified elements. Traditional desserts focus solely on taste and presentation, while this invention merges the culinary experience with blockchain-enabled digital interactivity, creating a unique user experience.

Summary of the Invention: The invention is an edible cake that features a hidden compartment containing a scannable QR code. The QR code directs the user to a digital platform where access to an interactive map is unlocked upon purchasing cryptocurrency tokens. This system combines physical enjoyment with digital exploration, making the dessert an interactive and modernized experience.

Detailed Description:

1. Edible Design Elements:

- The cake is styled to resemble a piece of land with edible grass, candy rocks, and layered textures representing a "digging" theme.
- Inside the cake is a hidden compartment made of safe materials to protect the QR code. These materials can include:
 - **Edible Materials:** Chocolate shells, sugar coatings, or rice paper for edible QR codes.
 - **Non-Edible Materials:** Foil wrappers, biodegradable plastic, or wax paper for non-edible QR codes.

2. QR Code Integration

- The QR code may be edible (e.g., printed with edible ink on rice paper or sugar sheets) or non-edible (e.g., printed on foil or thin plastic).
- The QR code is printed using edible ink on an edible surface (e.g., rice paper) or engraved on a non-edible substrate (e.g., foil).
- Scanning the QR code directs the user to a secure blockchain-based digital platform.

3. Blockchain-Enabled Unlock Mechanism:

- To access the treasure map, users must purchase tokens (e.g., USDT or similar cryptocurrencies) via the platform.
 - Upon successful payment, the digital map is unlocked, revealing rewards or clues for gamified interaction.
4. **Gamified Interaction:**
- The map may include additional challenges or tasks that encourage user engagement.
 - Digital rewards or exclusive access to physical prizes can be incorporated into the experience.
5. **Spoon Design:**
- A custom-designed shovel-shaped spoon accompanies the cake, complementing the treasure-digging theme.
 - The spoon is ornamental and functional, styled to enhance the user experience.
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Claims:

1. An interactive dessert comprising:
 - An edible base;
 - A hidden QR code embedded within the dessert;
 - A digital platform accessible via the QR code;
 - A requirement for cryptocurrency tokens to unlock map contents.
 2. The dessert of claim 1, wherein the QR code is printed using edible ink on an edible substrate or engraved on a non-edible material such as foil or thin plastic.
 3. The dessert of claim 1, wherein the tokens are purchased via a blockchain platform using cryptocurrency.
 4. The dessert of claim 1, further comprising:
 - A gamified experience providing access to digital rewards upon unlocking the map.
 5. A method for interactive dessert engagement, comprising:
 - Embedding a QR code within an edible product;
 - Directing users to a blockchain-based platform via the QR code;
 - Unlocking map contents upon verification of token purchase.
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Figures for Utility Patent:

1. Cross-section of the cake showing layers, the QR code compartment, and external decorations.
2. Blockchain interaction flowchart, illustrating how the QR code leads to token purchase and map unlocking.
3. Close-up of the QR code on edible material.
4. Shovel-shaped spoon design, showing both its ornamental and functional aspects.

Abstract: An interactive edible dessert featuring a hidden QR code that directs users to a blockchain platform, requiring cryptocurrency tokens to unlock a digital map. The dessert includes a custom-designed shovel-shaped spoon, complementing the treasure-digging theme and providing gamified user engagement.





